

# Delock Multiband LTE UMTS GSM GPS Antenna 3 x SMA male omnidirectional roof mount black outdoor

### Description

This Delock multi-band antenna has three physically separate transmitting and receiving units. Two PIFA antennas, respectively, for LTE and GSM/UMTS are responsible for sending and receiving in these areas. The GPS patch antenna receives the signals of the Global Navigation Satellite System GPS.

Due to its outdoor features, the multiband antenna is well suitable for usage in harsh areas such as transportation, forestry, agriculture, construction and in the maritime sector. It is waterproof, shock resistant and can be used in the extended temperature range.



#### Item no. 12455

EAN: 4043619124558 Country of origin: China Package: White Box

## Specification

 Connectors: 3 x SMA male • LTE: Frequency range: 0,698 - 0,960 GHz 1,710 - 2,700 GHz GSM / UMTS / ZigBee / Z-Wave / WLAN 2,4 GHz / Bluetooth Antenna gain: 2 dBi Impedance: 50 Ohm **VSWR: 2.5** Polarisation: linear Cable: coaxial Cable type: RG-58/U Cable diameter: ca. 4,95 mm Cable attenuation: 0,6 dBi @ 1 GHz per meter • GSM UMTS: Frequency range: 0.824 - 0.960 GHz 1,710 - 2,170 GHz GSM / UMTS / Z-Wave Antenna gain: 2 dBi Impedance: 50 Ohm VSWR: 2,5 Polarisation: linear

#### **DATASHEET**



Cable: coaxial Cable type: RG-58/U Cable diameter: ca. 4,95 mm Cable attenuation: 0.6 dBi @ 1 GHz per meter • GPS: Frequency range: GPS: L1, 1,57542 GHz Antenna gain: 28 dBi Impedance: 50 Ohm **VSWR: 2.5** Polarisation: RHCP Cable: coaxial Cable type: RG-174 Cable diameter: ca. 2,7 mm Cable attenuation: 1,5 dB @ 1,5 GHz per meter Operating voltage: 2,2 - 5,0 V Current consumption: 5 - 15 mA • LNA GPS: Frequency range: GPS: L1, 1,57542 GHz Antenna gain: 28 dBi VSWR: 2,0

Cable attenuation: 1,5 dB @ 1,5 GHz per meter

Screw-on mounting
Operating temperature: -40°C ~ 85°C
Housing material: ABS

Impedance: 50 Ohm

Cable diameter: ca. 2,7 mm

Operatin voltage: 2,2 - 5,0 V Current consumption: 5 - 15 mA

Cable: coaxial Cable type: RG-174

- Housing material. Al
   Colouri blook
- Colour: black
- Protection class: IP67
- Cable colour: black
- Cable length incl. connectors: ca. 3 m
- Dimensions (DxH): ca. 143,6 x 65 mm
- Mounting hole diameter: 30 mm

#### System requirements

• Device with free SMA connectors

#### Package content

- Multiband antenna
- Nut



Images



## **DATASHEET**



#### General

Mounting type:	Screw mounting
Protection category:	IP67
Suitable for outdoor:	yes

## Interface

connector:	3 x SMA	
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## **Technical characteristics**

Operating voltage:	2.2 - 5.0 V
Frequency range:	824 MHz - 960 MHz 1.57542 GHz 1.71 - 2.17 GHz 1.71 GHz - 2.70 GHz 698 MHz - 960 MHz
Gain:	4 dBi 28 dBi 3 dBi
Impedance:	50 Ω
Polarisation:	RHCP linear vertical
Power handling:	5 W 1 W
Current consumption:	5 - 15 mA
VSWR:	2.5 2.0

## **Physical characteristics**

Housing colour:	black
Housing material:	ABS
Weight:	1,2 kg

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## **DATASHEET**



Cable category:	coaxial cable
Cable type:	RG-174 RG-58 U
Cable attenuation:	1.5 dB @ 1.5 GHz per meter RG-174 0.6 dB @ 1.0 GHz per meter RG-58/U
Cable colour:	black
Cable length:	3 m (incl. connectors)
Diameter:	143.6 mm
Height:	6.5 cm